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PATENT ABSTRACTS OF JAPAN

(11) Publication number: **2001198461 A**(43) Date of publication of application: **24.07.01**(51) Int. Cl. **B01J 23/58**(21) Application number: **2000007587**(22) Date of filing: **17.01.00**(71) Applicant: **TOYOTA MOTOR CORP**(72) Inventor: **SATO AKEMI**
KANAZAWA TAKAAKI

(54) CATALYST FOR OXIDATION REDUCTION

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a catalyst which enables an efficient purification of HC, CO and NO_x in a low to high temperature region, exhibiting particularly a high NO_x-purification activity in the low temperature region.

SOLUTION: Pd and an alkylne earth metal are carried on an oxide having an oxygen-occluding/releasing function. By carrying Pb and the alkaline earth metal, NO_x-purification activity in a low temperature region is improved, although its reason therefore remains. If an alkali metal is carried, such an effect can not be attained.

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